11/21/83
A2575-1

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 For Week Ended NOVEMBER 11, 1983 NO. 45

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	802	750	777	1,229	63.2
Appal. No. 1	93	85	85	177	48.0
DISTRICT 1 TOTAL	895	835	862	1,406	61.3
Appal. No. 2	67	64	66	66	100.0
Ind., Ill., Ky.	1,923	1,779	1,817	2,345	77.5
Minn., Wis., Daks.	289	275	287	296	97.0
Okla., Kans., Mo.	624	574	578	827	69.9
DISTRICT 2 TOTAL	2,903	2,692	2,748	3,534	77.8
Inland Texas	585	450	450	585	76.9
Texas Gulf Coast	3,356	3,038	3,122	3,907	79.9
La. Gulf Coast	2,180	2,032	2,045	2,890	70.8
N. La. and Ark.	187	169	172	286	60.1
New Mexico	55	42	44	105	41.9
DISTRICT 3 TOTAL	6,363	5,731	5,833	7,773	75.0
DISTRICT 4 TOTAL	464	443	445	536	83.0
DISTRICT 5 TOTAL	2,080	2,131	2,131	3,060	69.6
TOTAL U.S.	12,705	11,832	12,019	16,309	73.7
TOTAL U.S. Weeks Ended:					
NOV. 4, 1983	12,332	11,520	11,753	16,309	72.1
NOV. 12, 1982	13,047	11,810	12,165	16,663	73.0
DISTRICTS 1-4 Weeks Ended:					
NOV. 11, 1983	10,625	9,701	9,888	13,249	74.6
NOV. 4, 1983	10,231	9,417	9,621	13,249	72.6
NOV. 12, 1982	10,914	9,802	10,120	13,580	74.5

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STATISTICS DEPARTMENT
VOL. 64 **For Week Ended** NOVEMBER 11, 1983 **NO.** 45

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 11/11/83	Last Week Ending: 11/04/83	Last Year Week Ending: 11/12/82		Change From Last Week		Change From Last Year
Refinery Operations							
Input to crude oil distillation units	12,019	11,753	12,165	+	266	-	146
Operable capacity	16,309	16,309	16,663		0	-	354
Percent operated	73.7	72.1	73.0				
Motor Gasoline							
Total motor gasoline production	6,667	6,265	6,130	+	402	+	537
Finished leaded motor gasoline production	2,792	2,795	N/A	-	3		N/A
Finished unleaded motor gasoline production	3,875	3,470	N/A	+	405		N/A
Total motor gasoline stocks	227,540	224,781	230,514	+	2,759	-	2,974
Finished leaded motor gasoline stocks	93,213	91,816	N/A	+	1,397		N/A
Finished unleaded motor gasoline stocks	95,138	93,639	94,546	+	1,499	+	592
Distillate Fuel Oil							
Distillate fuel oil production	2,605	2,541	2,918	+	64	-	313
Distillate fuel oil stocks	164,174	161,550	176,561	+	2,624	-	12,387
Residual Fuel Oil							
Residual fuel oil production	717	707	948	+	10	-	231
Residual fuel oil stocks	47,881	47,529	61,489	+	352	-	13,608
Imports							
Crude oil imports	3,765	2,969	2,902	+	796	+	863
Product imports	1,827	2,063	1,233	-	236	+	594
Crude Oil Stocks							
Crude oil stocks	360,637	355,039	339,223	+	5,598	+	21,414

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended *NOVEMBER* 11, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	569	159	410	26	27	231	93
Appal. No. 1	34	17	17	1	--	25	4
DISTRICT 1 TOTAL	603	176	427	27	27	256	97
Appal. No. 2	38	15	23	1	1	15	2
Ind., Ill., Ky.	1,101	440	661	10	85	385	40
Minn., Wis., Daks.	168	96	72	3	12	83	9
Okla., Kans., Mo.	400	249	151	4	21	177	9
DISTRICT 2 TOTAL	1,707	800	907	18	119	660	60
Inland Texas	335	181	154	18	18	111	19
Texas Gulf Coast	1,608	607	1,001	54	197	657	192
La. Gulf Coast	1,025●	384●	641	21	244	352	83
N. La. and Ark.	57	21	36	3	--	50	9
New Mexico	32	17	15	--	1	13	1
DISTRICT 3 TOTAL	3,057●	1,210●	1,847	96	460	1,183	304
DISTRICT 4 TOTAL	256	164	92	12	15	146	14
DISTRICT 5 TOTAL	1,044	442	602	41	224	360	242
TOTAL U.S.	6,667	2,792	3,875	194	845	2,605	717
TOTAL U.S. Weeks Ended:							
NOV. 4, 1983	6,265●	2,795●	3,470	161	878	2,541	707
NOV. 12, 1982	6,130	*N/A*	*N/A*	190	863	2,918	948
DISTRICTS 1-4 Weeks Ended:							
NOV. 11, 1983	5,623	2,350	3,273	153	621	2,245	475
NOV. 4, 1983	5,239●	2,315●	2,924	124	618	2,161	463
NOV. 12, 1982	5,178	*N/A*	*N/A*	142	640	2,562	669

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

[2]Includes Grade No. 4 fuel oil.

● *SEE PAGE 8 FOR REVISIONS.*

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended *NOVEMBER* 11, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline			Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,427	2,769	2,657	1	61	627	13,650	2,058	--
Central Atlantic	29,739	11,451	14,045	4,243	322	4,996	44,162	18,486	14,477
Lower Atlantic	27,207	13,961	12,972	274	96	4,277	14,889	3,777	746
DISTRICT 1 TOTAL	62,373	28,181	29,674	4,518	479	9,900	72,701	24,321	15,223
DISTRICT 2 TOTAL	65,136	29,255	28,232	7,649	1,723	8,067	41,977	3,259	18,014
DISTRICT 3 TOTAL	67,490	23,826	25,075	18,589	2,232	12,216	36,575	12,470	51,242●
DISTRICT 4 TOTAL	6,504	3,134	1,819	1,551	311	621	2,558	438	3,196
DISTRICT 5 TOTAL	26,037	8,817	10,338	6,882	1,545	5,568	10,363	7,393	23,704
TOTAL U.S.	227,540	93,213	95,138	39,189	6,290	36,372	164,174	47,881	111,379
TOTAL U.S.									
Weeks Ended:									
NOV. 4, 1983	224,781	91,816	93,639	39,326	6,408	37,267	161,550	47,529	111,466●
NOV. 12, 1982	230,514	*N/A*	94,546	*N/A*	6,246	34,900	176,561	61,489	112,849
DISTRICTS 1-4									
Weeks Ended:									
NOV. 11, 1983	201,503	84,396	84,800	32,307	4,745	30,804	153,811	40,488	87,675
NOV. 4, 1983	198,224	82,921	84,004	31,299	4,861	30,976	150,967	39,841	87,865●
NOV. 12, 1982	202,608	*N/A*	84,789	*N/A*	4,828	28,913	167,018	53,230	88,201

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

● *SEE PAGE 8 FOR REVISIONS.*

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended *NOVEMBER* 11, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *JUN* 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	---------- Daily Average ----------				
DISTRICTS 1-4 TOTAL					
NOV. 11, 1983	5,826.0	5,840.0	3,497	320	276,660
NOV. 4, 1983	5,823.0●	--	2,809●	262	271,639●
OCT. 28, 1983	5,823.0●	--	3,496	221	260,774
OCT. 21, 1983	5,823.0●	--	3,401	273	262,577
DISTRICT 5 TOTAL					
NOV. 11, 1983	2,829.7	2,808.0	268	--	83,977 *
NOV. 4, 1983	2,847.0●	--	160	7	83,400
OCT. 28, 1983	2,847.0●	--	126	7	82,767
OCT. 21, 1983	2,847.0●	--	273	8	87,555
TOTAL U.S.					
NOV. 11, 1983	8,655.7	8,648.0	3,765	320	360,637 *
NOV. 4, 1983	8,670.0●	--	2,969●	269	355,039●
OCT. 28, 1983	8,670.0●	--	3,622	228	343,541
OCT. 21, 1983	8,670.0●	--	3,674	281	350,132
NOV. 12, 1982	8,690.3/A	--	2,902	184	339,223

*INCLUDES 30,302 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/A - DOE ACTUAL FOR NOVEMBER 1982

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
NOV. 11, 1983	18,650	78,008	167,424	12,578	276,660	83,977 *	360,637 *
NOV. 4, 1983	16,497	78,312	164,240●	12,590	271,639●	83,400	355,039●
NOV. 12, 1982	17,719	74,010	156,633	11,976	260,338	78,885	339,223

[1]See definitional notes, Page 6.

● *SEE PAGE 8 FOR REVISIONS.*

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	22	22	--	--	--	56	130	1	--	--	209
Central Atlantic	223	136	87	--	25	156	501	35	157	60	1,157
Lower Atlantic	--	--	--	--	--	--	49	--	--	--	49
DISTRICT 1 TOTAL											
NOV. 11, 1983	245	158	87	--	25	212	680	36	157	60	1,415
NOV. 4, 1983	289	159	130	--	32	283	768	2	82	91	1,547
OCT. 28, 1983	176	52	124	--	25	168	372	--	65	33	839
OCT. 21, 1983	215	100	115	--	53	252	778	2	71	233	1,604
DISTRICTS 2-4 TOTAL											
NOV. 11, 1983	7	7	--	--	2	24	60	120	89	20	322
NOV. 4, 1983	9	9	--	--	2	20	56	143	150	62	442
OCT. 28, 1983	55	55	--	--	9	24	100	93	102	109	492
OCT. 21, 1983	3	3	--	--	6	20	56	62	87	44	278
DISTRICT 5 TOTAL											
NOV. 11, 1983	50	41	9	--	3	3	17	7	--	10	90
NOV. 4, 1983	33	20	13	--	4	4	18	5	--	10	74
OCT. 28, 1983	23	2	21	--	2	3	11	6	--	23	68
OCT. 21, 1983	20	10	10	--	2	5	18	13	2	10	70
TOTAL U.S.	302	206	96	--	30	239	757	163	246	90	1,827
TOTAL U.S. Weeks Ended:											
NOV. 4, 1983	331	188	143	--	38	307	842	150	232	163	2,063
OCT. 28, 1983	254	109	145	--	36	195	483	99	167	165	1,399
OCT. 21, 1983	238	113	125	--	61	277	852	77	160	287	1,952
NOV. 12, 1982	162	N/A	62	--	3	126	631	227	49	20	1,233

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

ESTIMATED DAILY AVERAGE PRODUCTION OF CRUDE OIL AND LEASE CONDENSATE

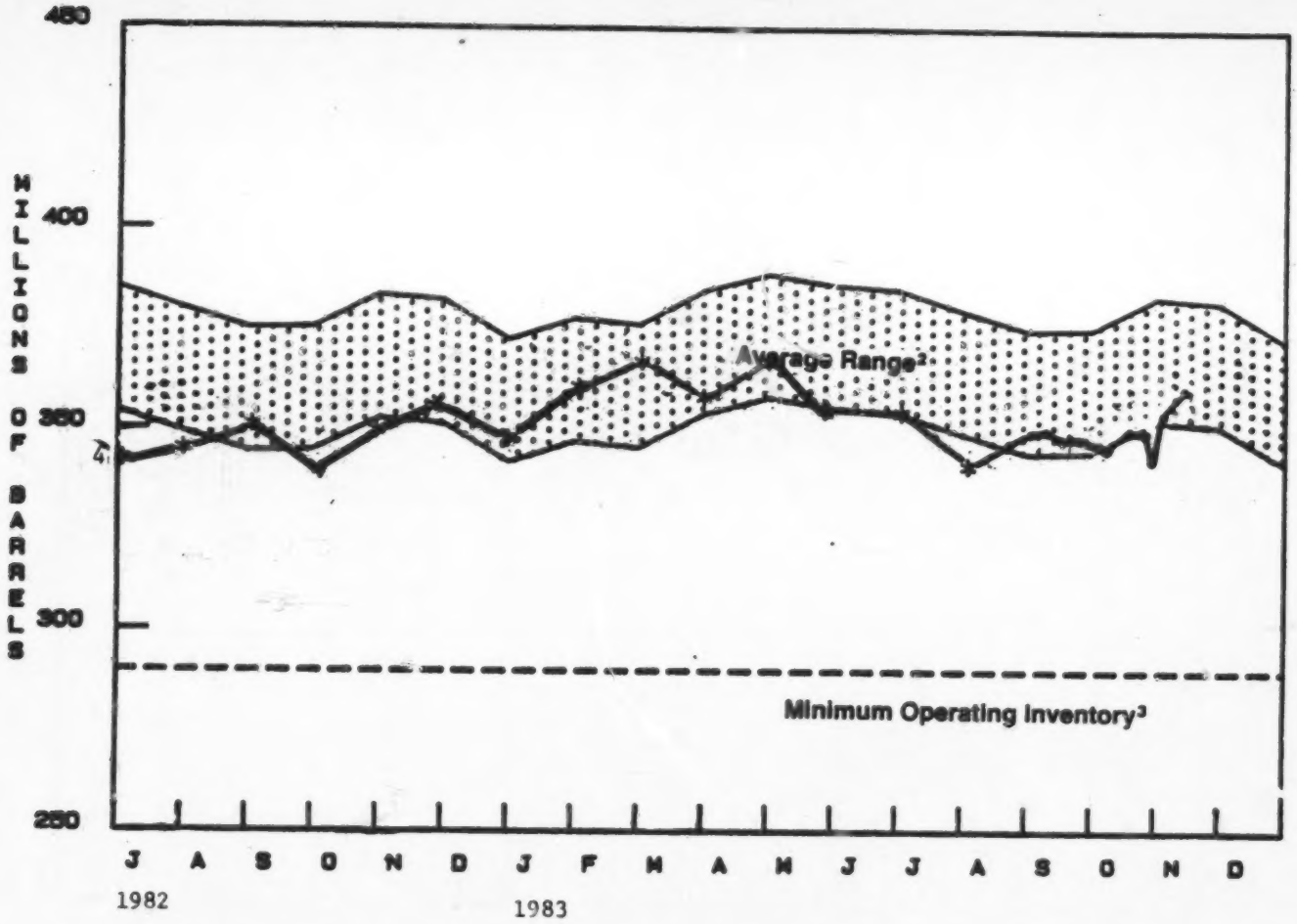
(In thousands of 42—gallon barrels)

	API Estimated Production		Dept. of Energy
	October 1983	September 1983	June 1983
Florida	55.0	57.0	53.0
New York-Pennsylvania	14.0	14.0	14.0
Virginia	-	-	-
West Virginia	8.0	8.0	10.0
Illinois	82.0	81.0	78.0
Indiana	16.0	16.0	16.0
Kansas	197.0	196.0	195.0
Kentucky	23.0	23.0	22.0
Michigan	91.0	91.0	90.0
Missouri-Tennessee	4.0	4.0	5.0
Nebraska	18.0	18.0	17.0
Ohio	40.0	40.0	40.0
Oklahoma	444.5	442.0	445.0
North Dakota	136.0	138.0	138.0
South Dakota	3.0	3.0	3.0
Alabama	52.0	52.0	51.0
Arkansas	52.0	52.0	52.0
Mississippi	85.5	84.0	82.0
New Mexico-So. East	187.0	187.0	186.0
New Mexico-Other	15.0	15.0	15.0
North Louisiana	94.0	93.0	88.0
South Louisiana	1,207.0	1,207.0	1,205.0
Total Louisiana	1,301.0	1,300.0	1,293.0
Texas			
District 1	66.0	67.0	66.0
District 2	108.0	108.0	112.0
District 3	358.0	360.0	358.0
District 4	74.0	74.0	75.0
District 5	24.0	24.0	25.0
District 6, East Texas Field	141.0	142.0	142.0
Other	112.0	113.0	115.0
District 7-B	90.0	91.0	94.0
District 7-C	92.0	93.0	92.0
District 8 and 8-A	1,242.0	1,243.0	1,246.0
District 9	102.0	103.0	103.0
District 10	56.0	57.0	59.0
Total Texas	2,465.0	2,475.0	2,487.0
Colorado	78.0	77.0	80.0
Montana	80.0	80.0	79.0
Utah	66.0	65.0	79.0
Wyoming	310.0	312.0	310.0
Total Dists. 1-4	5,823.0	5,830.0	5,840.0
Alaska	1,728.0	1,730.6	1,688.0
Arizona	1.0	1.0	1.0
California	1,116.0	1,116.5	1,117.0
Nevada	2.0	2.0	2.0
Total Dist. 5	2,847.0	2,850.1	2,808.0
Total U.S.	8,670.0	8,680.1	8,648.0

REVISIONS

11/04/83	PAGE 2	TOTAL MGAS	LA. GULF COAST	1,044
			DISTRICT 3 TOTAL	2,844
			TOTAL U.S.	6,265
			DISTRICTS 1-4	5,239
		LEADED MGAS	LA. GULF COAST	451
			DISTRICT 3 TOTAL	1,162
			TOTAL U.S.	2,795
			DISTRICTS 1-4	2,315
	PAGE 3	UNFINISHED OILS	DISTRICT 3 TOTAL	51,068
			TOTAL U.S.	111,466
			DISTRICTS 1-4	87,865
	PAGE 4 TOP	TOTAL CRUDE OIL IMPORTS	DISTRICTS 1-4 TOTAL	2,809
			TOTAL U.S.	2,969
		CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	271,639
			TOTAL U.S.	355,039
	PAGE 4 BOTTOM	TOTAL	PAD DISTRICT 3	164,240
		TOTAL	TOTAL PAD DISTRICTS 1-4	271,639
		TOTAL	TOTAL U.S.	355,039

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

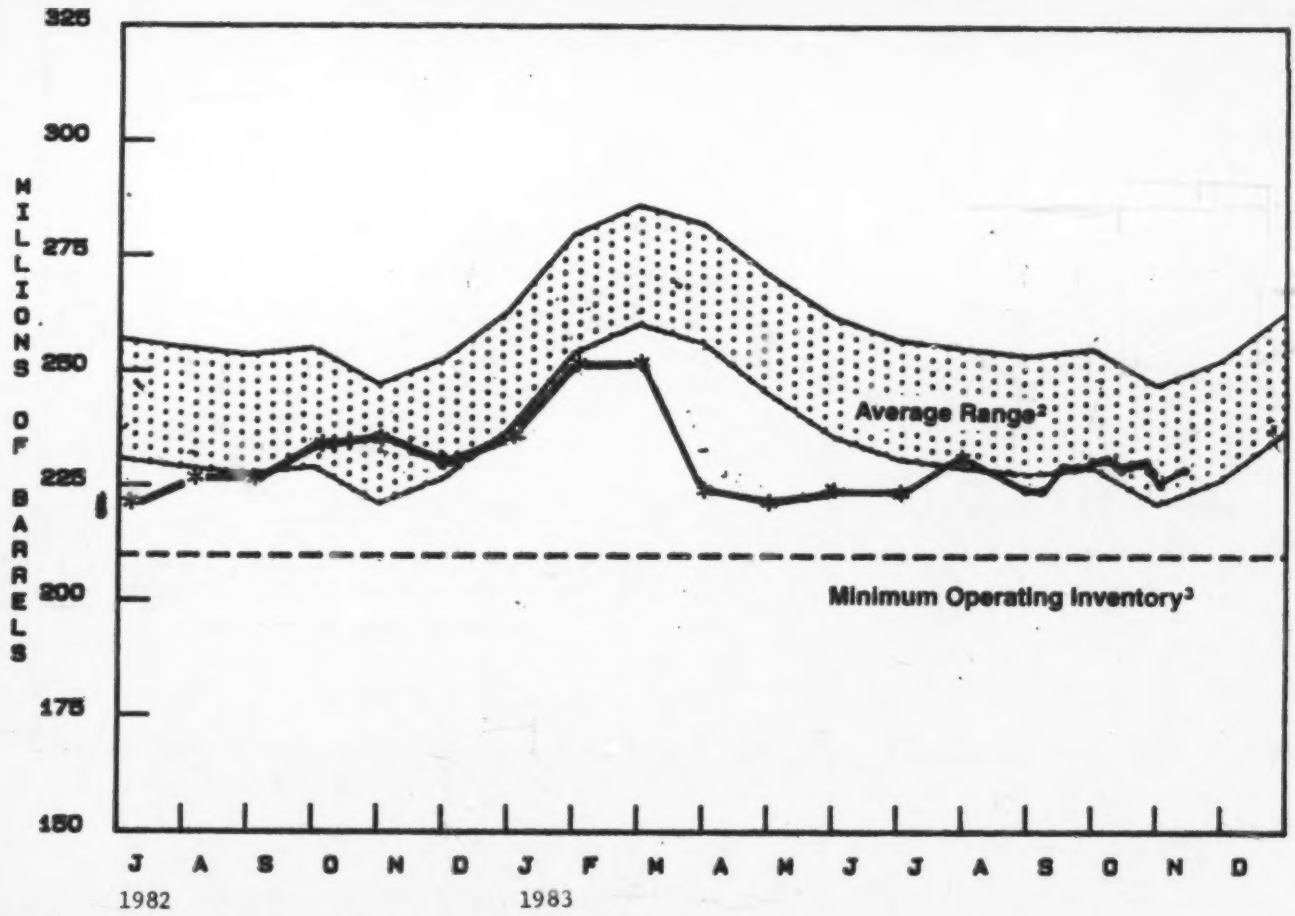
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended November 11, 1983

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

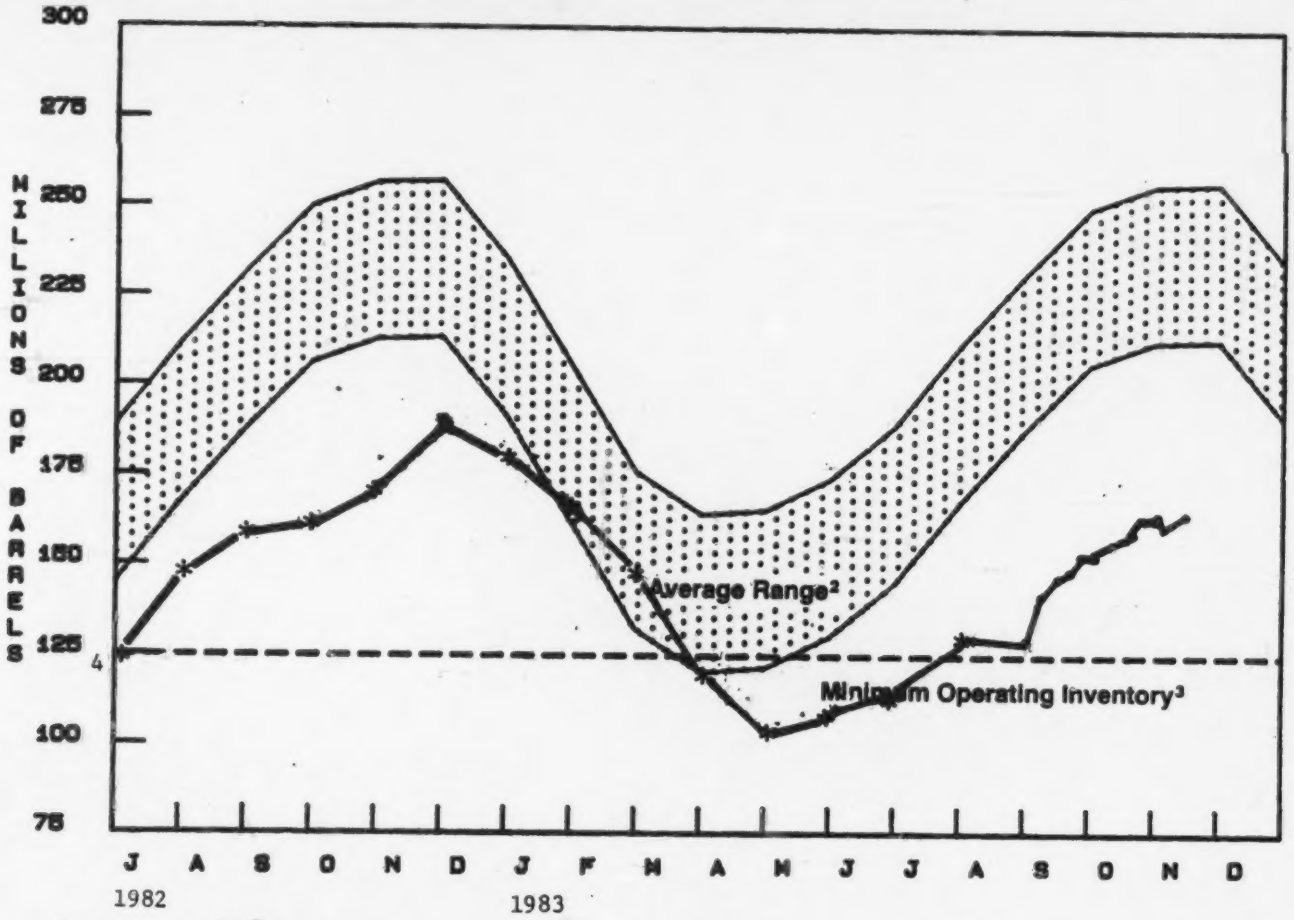
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

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[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.